

Permit to Operate

FACILITY: S-2592

EXPIRATION DATE: 02/28/200

LEGAL OWNER OR OPERATOR: MID-SET COGEN C/O G.M.THOMSON

MAILING ADDRESS: P O BOX 80178
BAKERSFIELD, CA 93380

FACILITY LOCATION: 13705 SHALE RD
FELLOWS, CA

FACILITY DESCRIPTION: OIL AND NATURAL GAS PRODUCTION

The Facility to Operate may include Facility-wide Requirements as well as requirements that apply to specific permit units.

The Permit to Operate remains valid through the permit expiration date listed above, subject to payment of annual permit fees and compliance with permit conditions and all applicable local, state, and federal regulations. This permit is valid only at the location specified above, and becomes void upon any transfer of ownership or location. Any modification of the equipment or operation, as defined in District Rule 2201, will require prior District approval. This permit shall be posted as prescribed in District Rule 2010.

DAVID L. CROW

Executive Director / APCO

Seyed Sadredin

Director of Permit Services

Initial TV Permit

San Joaquin Valley
Air Pollution Control District

PERMIT UNIT: S-2592-0-0

EXPIRATION DATE: 02/28/2003

EQUIPMENT DESCRIPTION:

PERMIT UNIT REQUIREMENTS

1. The owner or operator shall notify the District of any breakdown condition as soon as reasonably possible, but no later than one hour after its detection, unless the owner or operator demonstrates to the District's satisfaction that the longer reporting period was necessary. [District Rule 1100, 6.1; County Rules 110 (Fresno, Stanislaus, San Joaquin); 109 (Merced); 113 (Madera); and 111 (Kern, Tulare, Kings)], [Federally Enforceable Through Title V]
2. The District shall be notified in writing within ten days following the correction of any breakdown condition. The breakdown notification shall include a description of the equipment malfunction or failure, the date and cause of the initial failure, the estimated emissions in excess of those allowed, and the methods utilized to restore normal operations. [District Rule 1100, 7.0; County Rules 110 (Fresno, Stanislaus, San Joaquin); 109 (Merced); 113 (Madera); and 111 (Kern, Tulare, Kings)], [Federally Enforceable Through Title V]
3. The owner or operator of any stationary source operation that emits more than 25 tons per year of nitrogen oxides or reactive organic compounds, shall provide the District annually with a written statement in such form and at such time as the District prescribes, showing actual emissions of nitrogen oxides and reactive organic compounds from that source. [District Rule 1160, 5.0], [Federally Enforceable Through Title V]
4. Any person building, altering or replacing any operation, article, machine, equipment, or other contrivance, the use of which may cause the issuance of air contaminants or the use of which may eliminate, reduce, or control the issuance of air contaminants, shall first obtain an Authority to Construct (ATC) from the District unless exempted by District Rule 2020. [District Rule 2010, 3.0 and 4.0; 2020; and County Rule 201 (in all eight counties in the San Joaquin Valley)], [Federally Enforceable Through Title V]
5. The permittee must comply with all conditions of the permit including permit revisions originated by the District. All terms and conditions of a permit that are required pursuant to the Clean Air Act (CAA), including provisions to limit potential to emit, are enforceable by the EPA and Citizens under the CAA. Any permit noncompliance constitutes a violation of the CAA and the District Rules and Regulations, and is grounds for enforcement action, for permit termination, revocation, reopening and reissuance, or modification; or for denial of a permit renewal application. [District Rules 2070, 7.0; 2080; and 2520, 9.9.1 and 9.13.1], [Federally Enforceable Through Title V]
6. A Permit to Operate or an Authority to Construct shall not be transferred unless a new application is filed with and approved by the District. [District Rule 2031], [Federally Enforceable Through Title V]
7. Every application for a permit required under Rule 2010 (Permits Required) shall be filed in a manner and form prescribed by the District. [District Rule 2040], [Federally Enforceable Through Title V]
8. The operator shall maintain records of required monitoring that include: 1) the date, place, and time of sampling or measurement; 2) the date(s) analyses were performed; 3) the company or entity that performed the analysis; 4) the analytical techniques or methods used; 5) the results of such analysis; and 6) the operating conditions at the time of sampling or measurement. [District Rule 2520, 9.5.1], [Federally Enforceable Through Title V]
9. The operator shall retain records of all required monitoring data and support information for a period of at least 5 years from the date of the monitoring sample, measurement, or report. Support information includes copies of all reports required by the permit and, for continuous monitoring instrumentation, all calibration and maintenance records and all original strip-chart recordings. [District Rule 2520, 9.5.2], [Federally Enforceable Through Title V]
10. The operator shall submit reports of any required monitoring at least every six months unless a different frequency is required by an applicable requirement. All instances of deviations from permit requirements must be clearly identified in such reports. [District Rule 2520, 9.6.1], [Federally Enforceable Through Title V]
11. Deviations from permit conditions must be promptly reported, including deviations attributable to upset conditions, as defined in the permit. For the purpose of this condition, promptly means as soon as reasonably possible, but no later than 10 days after correction. The report shall include the probable cause of such deviations, and any corrective actions or preventive measures taken. All required reports must be certified by a responsible official consistent with section 10.0 of District Rule 2520. [District Rules 2520, 9.6.2 and 1100, 7.0], [Federally Enforceable Through Title V]
12. If for any reason a permit requirement or condition is being challenged for its constitutionality or validity by a court of competent jurisdiction, the outcome of such challenge shall not affect or invalidate the remainder of the conditions or requirements in that permit. [District Rule 2520, 9.8], [Federally Enforceable Through Title V]

Initial TV Permit

13. It shall not be a defense for a permittee in an enforcement action that it would have been necessary to halt or reduce the permitted activity in order to maintain compliance with the conditions of the permit. [District Rule 2520, 9.9.2], [Federally Enforceable Through Title V]
14. The permit may be modified, revoked, reopened and reissued, or terminated for cause. The filing of a request by the permittee for a permit modification, revocation and reissuance, or termination, or a notification of planned changes or anticipated noncompliance does not stay any permit condition. [District Rule 2520, 9.9.3], [Federally Enforceable Through Title V]
15. The permit does not convey any property rights of any sort, or any exclusive privilege. [District Rule 2520, 9.9.4], [Federally Enforceable Through Title V]
16. The Permittee shall furnish to the District, within a reasonable time, any information that the District may request in writing to determine whether cause exists for modifying, revoking and reissuing, or terminating the permit or to determine compliance with the permit. Upon request, the permittee shall also furnish to the District copies of records required to be kept by the permit or, for information claimed to be confidential, the permittee may furnish such records directly to EPA along with a claim of confidentiality. [District Rule 2520, 9.9.5], [Federally Enforceable Through Title V]
17. The permittee shall pay annual permit fees and other applicable fees as prescribed in Regulation III of the District Rules and Regulations. [District Rule 2520, 9.10], [Federally Enforceable Through Title V]
18. Upon presentation of appropriate credentials, a permittee shall allow an authorized representative of the District to enter the permittee's premises where a permitted source is located or emissions related activity is conducted, or where records must be kept under condition of the permit. [District Rule 2520, 9.14.2.1], [Federally Enforceable Through Title V]
19. Upon presentation of appropriate credentials, a permittee shall allow an authorized representative of the District to have access to and copy, at reasonable times, any records that must be kept under the conditions of the permit. [District Rule 2520, 9.14.2.2], [Federally Enforceable Through Title V]
20. Upon presentation of appropriate credentials, a permittee shall allow an authorized representative of the District to inspect at reasonable times any facilities, equipment, practices, or operations regulated or required under the permit. [District Rule 2520, 9.14.2.3], [Federally Enforceable Through Title V]
21. Upon presentation of appropriate credentials, a permittee shall allow an authorized representative of the District to sample or monitor, at reasonable times, substances or parameters for the purpose of assuring compliance with the permit or applicable requirements. [District Rule 2520, 9.14.2.4], [Federally Enforceable Through Title V]
22. No air contaminants shall be discharged into the atmosphere for a period or periods aggregating more than 3 minutes in any one hour which is as dark or darker than Ringelmann #1 or equivalent to 20% opacity and greater, unless specifically exempted by District Rule 4101, by using EPA method 9. If the equipment or operation is subject to a more stringent visible emission standard as prescribed in a permit condition, the more stringent visible emission limit shall supersede this condition. [District Rule 4101, and County Rules 401 (in all eight counties in the San Joaquin Valley)], [Federally Enforceable Through Title V]
23. No person shall supply, sell, solicit or apply any architectural coating, except specialty coatings, that contains more than 250 grams of VOC per liter of coating (less water and exempt compounds, and excluding any colorant added to tint bases), or manufacture, blend, or repackage such coating with more than 250 grams of VOC per liter (less water and exempt compounds, and excluding any colorant added to tint bases) for use within the District. [District Rule 4601, 5.1], [Federally Enforceable Through Title V]
24. No person shall apply, sell, solicit, or offer for sale any specialty architectural coating listed in the Table of Standards (District Rule 4601, Table 1), nor manufacture, blend, or repackage such coating for use within the District, which contains VOCs (less water and exempt compounds, excluding any colorant added to tint bases) in excess of the specified limits listed in Table 1 of Rule 4601. [District Rule 4601, 5.2], [Federally Enforceable Through Title V]
25. All VOC-containing materials shall be stored in closed containers when not in use. In use includes, but is not limited to: being accessed, filled, emptied, maintained or repaired. [District Rule 4601, 5.4], [Federally Enforceable Through Title V]
26. A person shall not use VOCs for the cleanup of spray equipment unless equipment for collection of the cleaning compounds and minimizing its evaporation to the atmosphere is used. [District Rule 4601, 5.5], [Federally Enforceable Through Title V]
27. The permittee shall comply with all the Labeling and Test Methods requirements outlined in Rule 4601 sections 6.1 and 6.2. [District Rule 4601, 6.1 and 6.2], [Federally Enforceable Through Title V]
28. With each report or document submitted under a permit requirement or a request for information by the District or EPA, the permittee shall include a certification of truth, accuracy, and completeness by a responsible official [District Rule 2520, 9.14.1 and 10.0], [Federally Enforceable Through Title V]
29. If the permittee performs maintenance on, or services, repairs, or disposes of appliances, the permittee shall comply with the standards for Recycling and Emissions Reduction pursuant to 40 CFR Part 82, Subpart F. [40 CFR 82 Subpart F], [Federally Enforceable Through Title V]
30. If the permittee performs service on motor vehicles when this service involves the ozone-depleting refrigerant in the motor vehicle air conditioner (MVAC), the permittee shall comply with the standards for Servicing of Motor Vehicle Air Conditioners pursuant to all the applicable requirements as specified in 40 CFR Part 82, Subpart B. [40 CFR Part 82, Subpart B], [Federally Enforceable Through Title V]

Initial TV Permit

31. Disturbances of soil related to any construction, demolition, excavation, extraction, or water mining activities shall comply with the requirements for fugitive dust control in SJVUAPCD District Rule 8020 unless specifically exempted under section 4 of Rule 8020. [District Rule 8020], [Federally Enforceable Through Title V]
32. Outdoor handling and storage of any bulk material which emits dust shall comply with the requirements of SJVUAPCD Rule 8030, unless specifically exempted under section 4 of Rule 8030. [District Rule 8030], [Federally Enforceable Through Title V]
33. Any paved road over 3 miles in length, and any unpaved roads over half a mile in length, constructed after December 10, 1993 shall use the design criteria and dust control measures of, and comply with the administrative requirements of, SJVUAPCD Rule 8060 unless specifically exempted under section 4 of Rule 8060. [District Rule 8060], [Federally Enforceable Through Title V]
34. Any owner or operator of a demolition or renovation activity, as defined in 40 CFR 61.141, shall comply with the applicable inspection, notification, removal, and disposal procedures for asbestos containing materials as specified in 40 CFR 61.145 (Standard for Demolition and Renovation). [40 CFR 61 Subpart M], [Federally Enforceable Through Title V]
35. The permittee shall submit certifications of compliance with the terms and standards contained in Title V permits, including emission limits, standards and work practices, to the District and the EPA annually (or more frequently as specified in an applicable requirement or as specified by the District). The certification shall include the identification of each permit term or condition, the compliance status, whether compliance was continuous or intermittent, the methods used for determining the compliance status, and any other facts required by the District to determine the compliance status of the source. [District Rule 2520, 9.17], [Federally Enforceable Through Title V]
36. The permittee shall submit an application for Title V permit renewal to the District at least six months, but not greater than 18 months, prior to the permit expiration date. [District Rule 2520, 5.2], [Federally Enforceable Through Title V]
37. When a term is not defined in a Title V permit condition, the definition in the rule cited as the origin and authority for the condition in a Title V permit shall apply. [District Rule 2520, 9.1.1], [Federally Enforceable Through Title V]
38. Compliance with permit conditions in the Title V permit shall be deemed compliance with the following outdated SIP requirements: Rule 401 (Madera, Fresno, Kern, Kings, San Joaquin, Stanislaus, Tulare and Merced), Rule 110 (Fresno, Stanislaus, San Joaquin), Rule 109 (Merced), Rule 113 (Madera), Rule 111 (Kern, Tulare, Kings), Rules 201, 202, 203, 204, 208, and 209 (Fresno, Kern, Tulare, Kings, Madera, Stanislaus, Merced, San Joaquin), Rule 410.1 (Kern), and Rule 423 (Kern, Fresno, Stanislaus, San Joaquin). A permit shield is granted from these requirements. [District Rule 2520, 13.2], [Federally Enforceable Through Title V]
39. Compliance with permit conditions in the Title V permit shall be deemed compliance with the following applicable requirements: SJVUAPCD Rules 1100, sections 6.1 and 7.0 (12/17/92); 2010, sections 3.0 and 4.0 (12/17/92); 2031 (12/17/92); 2040 (12/17/92); 2070, section 7.0 (12/17/92); 2080 (12/17/92); 4101 (12/17/92); 4601, sections 5.1, 5.2, 5.4, 5.5, 6.1, and 6.2 (12/17/92); 8020 (4/25/96); 8030 (4/25/96); 8060 (4/25/96); A permit shield is granted from these requirements. [District Rule 2520, 13.2], [Federally Enforceable Through Title V]

Initial TV Permit

San Joaquin Valley
Air Pollution Control District

PERMIT UNIT: S-2592-1-6

EXPIRATION DATE: 02/28/2003

EQUIPMENT DESCRIPTION:

39.86 MW GENERAL ELECTRIC, FRAME 6, MODEL PG6531(B) GAS-FIRED GAS TURBINE ENGINE COGENERATION SYSTEM.

PERMIT UNIT REQUIREMENTS

1. Unit shall be fired exclusively on PUC-quality natural gas which has a sulfur content of less than or equal to 0.017% by weight. [40 CFR 60.333(a) & (b); Rule 404 (Madera), 406 (Fresno) and 407 (6 remaining counties in the San Joaquin Valley)], [Federally Enforceable Through Title V]
2. Operator shall not discharge into the atmosphere combustion contaminants (PM) exceeding in concentration at the point of discharge, 0.1 gr/dscf. [District Rule 4201; Rule 402 (Madera) and 404 (all 7 remaining counties in the San Joaquin Valley)], [Federally Enforceable Through Title V]
3. Operator shall not exceed a NO_x emission rate of: A. (If Rating <10 MW) 42 ppmvd @ 15% O₂, excluding the thermal stabilization periods or reduced load periods; B. (If Rating > 10 MW) (9 X EFF/25)ppmvd @ 15% O₂, under load conditions, excluding thermal stabilization periods or reduced load periods, where EFF (efficiency) is the higher of EFF1 {100%x(3412 Btu/kW-hr)/(Actual Heat Rate at HHV, Btu/kW-hr)} or EFF2 {EFFmfr x (LHV/HHV)} where actual heat rate is a ratio of the heat input to power output taking into account the manufacturer's value of the fuel, LHV is the lower heating value of the fuel, and EFFmfr is the manufacturer's continuous rated percent efficiency of the gas turbine with air pollution equipment at LHV. An EFF that is less than 25 shall be assigned a value of 25. [40 CFR 60.332(a)(1) & 60.332(a)(2) and District Rule 4703,5.1.1], [Federally Enforceable Through Title V]
4. Operator shall be required to conform to the compliance testing procedures described in District Rule 1081. [Rule 108.1 (Fresno, Merced, San Joaquin, Tulare, Kern, and Stanislaus), Rule 110 (Madera), and Rule 108 (Kings); District Rule 1081], [Federally Enforceable Through Title V]
5. If the turbine is not fired on PUC-regulated natural gas, then the sulfur content of the natural gas being fired in the turbine shall be determined using ASTM method D 1072-80, D 3031-81, D 4084-82 or D 3246-81. [40 CFR 60.335(d)], [Federally Enforceable Through Title V]
6. If the turbine is not fired on PUC-regulated natural gas, the sulfur content of each fuel source shall be tested weekly except that if compliance with the fuel sulfur content limit has been demonstrated for 8 consecutive weeks for a fuel source, then the testing frequency shall be quarterly. If a test shows noncompliance with the sulfur content requirement, the source must return to weekly testing until eight consecutive weeks show compliance. [40 CFR 60.334(b)(2)], [Federally Enforceable Through Title V]
7. The HHV and LHV of the fuel shall be determined using ASTM D3588-91, ASTM 1826-88, OR ASTM 1945-81. [40 CFR 60.332(a),(b) and District Rule 4703, 6.4.5], [Federally Enforceable Through Title V]
8. Nitrogen oxides (NO_x) concentrations shall be determined using EPA Method 7E or 20, and oxygen (O₂) concentrations shall be determined using EPA Method 3, 3A, or 20. [40 CFR 60.335(b) and District Rule 4703, 6.4], [Federally Enforceable Through Title V]
9. The operator shall provide source test information annually regarding the exhaust gas NO_x concentration corrected to 15% O₂ (dry). [40 CFR 60.332(a),(b) and District Rule 4703, 5.1], [Federally Enforceable Through Title V]
10. The operator shall provide source test information annually regarding the demonstrated percent efficiency (EFF) as defined in District Rule 4703, 5.1.1. [40 CFR 60.332(a),(b) and District Rule 4703, 5.1.1], [Federally Enforceable Through Title V]
11. Any gas turbine with an intermittently operated auxiliary burner shall demonstrate compliance with the auxiliary burner both on and off. [40 CFR 60.335(b) and District Rule 4703, 6.3.2], [Federally Enforceable Through Title V]
12. Results of continuous emissions monitoring must be reduced according to the procedure established in 40 CFR, Part 51, Appendix P, paragraphs 5.0 through 5.3.3, or by other methods deemed equivalent by mutual agreement with the District, the ARB, and the EPA. [Rule 108 (Kings, Fresno, Merced San Joaquin, Tulare, Kern, and Stanislaus) and Rule 109 (Madera); District Rule 1080, 7.2], [Federally Enforceable Through Title V]
13. Records shall be maintained and shall contain: the occurrence and duration of any start-up, shutdown or malfunction, performance testing, evaluations, calibrations, checks, adjustments, any periods during which a continuous monitoring system or monitoring device is inoperative, maintenance of any CEM's that have been installed pursuant to District Rule 1080, and emission measurements. [Rule 108 (Kings, Fresno, Merced San Joaquin, Tulare, Kern, and Stanislaus) and Rule 109 (Madera); District Rule 1080, 7.3; 40 CFR 60.7 (b)], [Federally Enforceable Through Title V]
14. If the turbine is fired on PUC-regulated natural gas, then maintain on file copies of natural gas bills. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]

Initial TV Permit

15. The operator of a stationary gas turbine system shall maintain all records of required monitoring data and support information for inspection at any time for a period of five years. [District Rule 2520, 9.5.2], [Federally Enforceable Through Title V]
16. Results of continuous emission monitoring must be averaged in accordance with the requirements of 40 CFR 60.13. [40 CFR 60.334(a),(b),(c) and District Rule 4703, 5.0], [Federally Enforceable Through Title V]
17. Operator shall maintain a stationary gas turbine operating log that includes, on a daily basis the actual local start-up and stop time, length and reason for reduced load periods, total hours of operation and quantity of fuel used. [40 CFR 60.332(a),(b) and District Rule 4703, 6.2.4], [Federally Enforceable Through Title V]
18. The requirements of 40 CFR 72.6 (b) do not apply to this source because only non-Title IV sources can qualify to use the applicable template. A permit shield is granted from this requirement. [District Rule 2520, 13.2], [Federally Enforceable Through Title V]
19. Compliance with permit conditions in the Title V permit shall be deemed compliance with the following subsumed requirements: 40 CFR 60.333 (a) and (b); 60.334(a),(b), and (c)(1); Rules 402 (Madera) and 404 (Fresno, Kern, Kings, San Joaquin, Stanislaus, Tulare, Merced); Rule 108.1 (Kings) and Rule 108 (in all seven remaining counties in the San Joaquin Valley); Rule 108 (Kings), 108.1 (Fresno, Merced, San Joaquin, Tulare, Kern and Stanislaus), and 110 (Madera); SJVUAPCD Rule 4703, Section 6.2.2 and 1080, 7.3. A permit shield is granted from these requirements. [District Rule 2520, 13.2], [Federally Enforceable Through Title V]
20. Compliance with permit conditions in the Title V permit shall be deemed compliance with the following applicable requirements: SJVUAPCD Rule 4201, 1081 and 1080, Sections 6.5, 7.2, 8.0, 9.0, and 10.0; Rule 404 (Madera), 406 (Fresno), 407 (Kings, San Joaquin, Merced, Stanislaus, Tulare, and Kern); 40 CFR 60.332(c) and (d); 60.334(b) and (c)(2); 60.335(d). A permit shield is granted from these requirements. [District Rule 2520, 13.2], [Federally Enforceable Through Title V]
21. Compliance with permit conditions in the Title V permit shall be deemed compliance with the following applicable requirements: SJVUAPCD Rule 4703, sections 5.0, 5.1.1, 6.2.1, 6.2.4, 6.3, 6.4.1, 6.4.3, 6.4.5, and 6.4.6. A permit shield is granted from these requirements. [District Rule 2520, 13.2], [Federally Enforceable Through Title V]
22. Compliance with permit conditions in the Title V permit shall be deemed compliance with the following subsumed requirements: Rule 404 (Merced); 40 CFR 60.332(a), (b); 60.335(a), (b), (c), and (e). A permit shield is granted from these requirements. [District Rule 2520, 13.2], [Federally Enforceable Through Title V]
23. Operator shall install, operate and maintain in calibration a system which continuously measures and records: control system operating parameters, elapsed time of operation, the exhaust gas NOx and O2 concentrations. [40 CFR 60.334(a),(b)], [Federally Enforceable Through Title V]
24. The continuous NOx monitoring system shall meet the performance specification requirements in 40 CFR 60, Appendix F, 40 CFR 51, Appendix P, and Part 60, Appendix B, or shall meet equivalent specifications established by mutual agreement of the District, the ARB, and the EPA. [Rule 108 (Kings, Fresno, Merced San Joaquin, Tulare, Kern, and Stanislaus) and Rule 109 (Madera) and District Rule 1080, 6.7], [Federally Enforceable Through Title V]
25. A violation of NOx emission standards indicated by the NOx CEM shall be reported by the operator to the APCO within 96 hours. [Rule 108 (Kings, Fresno, Merced San Joaquin, Tulare, Kern, and Stanislaus) and Rule 109 (Madera) and District Rule 1080, 9.0], [Federally Enforceable Through Title V]
26. Operator shall submit a semiannual report listing any period during which the sulfur content of the fuel being fired in the gas turbine exceeds 0.8% by weight. Gas analysis provided by the fuel supplier may be used to verify the sulfur content of the fuel gas. [40 CFR 60.334(c)(2)], [Federally Enforceable Through Title V]
27. Operator shall notify the APCO no later than eight hours after the detection of a breakdown of the CEM. Operator shall inform the APCO of the intent to shut down the CEM at least 24 hours prior to the event. [Rule 108 (Kings, Fresno, Merced San Joaquin, Tulare, Kern, and Stanislaus) and Rule 109 (Madera) and District Rule 1080, 10.0], [Federally Enforceable Through Title V]
28. Operators of CEM's installed at the direction of the APCO shall submit a written report for each calendar quarter to the APCO. The report is due on the 30th day following the end of the calendar quarter and shall include: A. time intervals, data and magnitude of excess emissions, nature and cause of excess (if known), corrective actions taken and preventive measures adopted; B. averaging period used for data reporting corresponding to the averaging period specified in the emission test period which is three clock hours; C. applicable time and date of each period during which the CEM was inoperative (except for zero and span checks) and the nature of system repairs and adjustments; D. a negative declaration when no excess [Rule 108 (Kings, Fresno, Merced San Joaquin, Tulare, Kern, and Stanislaus) and Rule 109 (Madera) and District Rule 1080, 8.0], [Federally Enforceable Through Title V]
29. No air contaminant shall be released into the atmosphere which causes a public nuisance. [District Rule 4102]
30. Cogeneration unit shall include General Electric, Frame 6, mode PG6531(B), natural gas fired turbine engine, Pneumafil PVC media type inlet air evaporative cooler and turbine combustor steam or water injection system for NOx control. [District NSR Rule], [Federally Enforceable Through Title V]
31. Cogeneration unit shall include 215,000 pounds per hour unfired heat recovery steam generator, Mitsubishi selective catalytic reduction NOx control system with ammonia injection and continuously recorded emission monitors for NOx, CO and CO2. [District NSR Rule], [Federally Enforceable Through Title V]

Initial TV Permit

32. Cogeneration unit shall include circular cross section exhaust with EPA Reference Methods stack sampling provisions and 39.86 MW electric generator. [District NSR Rule], [Federally Enforceable Through Title V]
33. Steam Generator S-1129-27 shall be fired exclusively on gas during operation of the cogen unit. [District NSR Rule], [Federally Enforceable Through Title V]
34. Steam generator S-1129-33-0, '43-0, '56-0 and '375-0 shall not operate in Sections 35 or 36, T31S/R22E while cogeneration unit is in operation. [District NSR Rule], [Federally Enforceable Through Title V]
35. Gas turbine shall be equipped with continuously recording fuel gas flowmeter. [District NSR Rule], [Federally Enforceable Through Title V]
36. Gas turbine engine shall not burn more than 11.76 MMScf/day of natural gas. [District NSR Rule], [Federally Enforceable Through Title V]
37. All gas turbine engine exhaust shall flow through catalyst bed. [District NSR Rule], [Federally Enforceable Through Title V]
38. Ammonia slip shall be continuously determined by calculation method described in application for Authority to Construct S-1128-292-4. [District Rule 4102]
39. Turbine maximum heat input rate shall not exceed 500 MMBtu/hr (LHV) when fired on natural gas. [District NSR Rule], [Federally Enforceable Through Title V]
40. Maximum daily emission limitations (DEL) shall not exceed the following: PM-10: 60.0 lb./day, SO_x (as SO₂): 14.4 lb./day, NO_x (as NO₂): 438.2 lb./day, VOC: 24.0 lb./day and CO: 259.2 lb./day. [District NSR Rule], [Federally Enforceable Through Title V]
41. Startup and shutdown of gas turbine engine, as defined in 40 CFR Subpart 60.2, shall not exceed a time period of two hours and two hours, respectively, per occurrence. [40 CFR Subpart 60.2], [Federally Enforceable Through Title V]
42. Reduced load period and thermal stabilization period, as defined in Rule 4703, shall not exceed a time period of one hour and two hours, respectively, per occurrence. [District Rule 4703]
43. Except during periods of startup/shutdown, gas turbine engine emission rates (three-hour average) shall not exceed: PM₁₀: 2.50 lb/hr, SO_x as SO₂: 0.6 lb/ hr, NO_x as NO₂: 18.26 lb/hr, VOC: 1.00 lb/hr and CO: 10. 8 lb/hr. [District NSR Rule], [Federally Enforceable Through Title V]
44. Except during periods of reduced load and thermal stabilization, gas turbine engine emission rates (three hour average) shall not exceed either: NO_x: 10.4 ppmvd at 15% O₂ or CO: 200 ppmvd at 15% O₂. [District Rule 4703]
45. Permittee shall report the following emission exceedences to the District: emission rates of NO_x & CO on a three hour average, NSPS emission rate on one hour average, and DEL of NO_x & CO during days of gas turbine engine startup/shutdown. [District NSR Rule], [Federally Enforceable Through Title V]
46. Except during periods of gas turbine engine startup/shutdown, steam injection rate shall be maintained at steam or water-to-fuel ratio documented to result in compliance with emission limits. [District NSR Rule], [Federally Enforceable Through Title V]
47. Except during periods of gas turbine engine startup/shutdown, inlet gas temperature to catalyst bed shall be maintained within the range recommended by catalyst manufacturer. [District NSR Rule], [Federally Enforceable Through Title V]
48. Except during periods of gas turbine engine startup/shutdown, gas turbine engine shall not be operated unless steam injection and SCR system are operating. [District NSR Rule], [Federally Enforceable Through Title V]
49. If steam or water injection or SCR system are inoperative, gas turbine engine operation shall be curtailed such that compliance with emission limits is effected. [District NSR Rule], [Federally Enforceable Through Title V]
50. Except during periods of gas turbine engine startup/shutdown, gas temperature at ammonia injection grid shall be maintained below 2000 F. [District NSR Rule], [Federally Enforceable Through Title V]
51. On days of gas turbine engine startup/shutdown, permittee shall demonstrate compliance with NO_x and CO daily emission limitations by records of calculations using CEM data, fuel rate data, and daily hours of operation data. [District NSR Rule], [Federally Enforceable Through Title V]
52. Permittee shall maintain accurate records of daily fuel consumption of gas turbine engine and continuous emission monitoring printouts. [District NSR Rule], [Federally Enforceable Through Title V]
53. Ammonia concentration in exhaust stream shall not exceed 20 ppmv @ 15% O₂ (three hour average). [District Rule 4102]
54. Continuous emission monitoring systems shall be calibrated and operated according to EPA guidelines as specified in CFR, Part 60, Appendix B. CEM ppm and lb/hr shall be calculated as a three-hour average and a one-hour average. [District NSR Rule], [Federally Enforceable Through Title V]
55. Audits of continuous emission monitoring systems shall be calibrated and operated according to EPA guidelines, witnessed at the District's discretion, and reports shall be submitted to the District within 30 days of such an audit. [District NSR Rule], [Federally Enforceable Through Title V]

Initial TV Permit

56. The Relative Accuracy Audit and annual compliance tests shall be conducted by an independent laboratory in accordance with EPA guidelines, and witnessed by the District. [District NSR Rule], [Federally Enforceable Through Title V]
57. Non-compliance with emission limits shall result in either shutdown or curtailment (reduced fuel consumption) for the permit unit, and an Authority to Construct to modify emission limits shall be required. A variance from this requirement cannot be obtained. [District Rule 1100], [Federally Enforceable Through Title V]
58. Failure of catalysts to perform as required because of catalyst poisoning or fouling shall not be recognized as basis for Rule 1100 enforcement exemptions. [District Rule 1100], [Federally Enforceable Through Title V]
59. Compliance source testing for NO_x, CO, SO_x, VOCs & ammonia shall be conducted annually (or as approved by the District) within 60 days prior to permit anniversary and official test results & field data submitted within 60 days thereafter. [District NSR Rule], [Federally Enforceable Through Title V]
60. No annual source testing shall be required for SO_x emissions if the turbine is fired on PUC-regulated natural gas. [District NSR Rule], [Federally Enforceable Through Title V]
61. Samples shall be collected during maximum fuel consumption, use of steam and NH₃ injection at desired rates, and use of evaporative coolers (if necessary, to test at maximum fuel consumption). [District NSR Rule], [Federally Enforceable Through Title V]
62. Approval for this cogeneration facility was originally issued to Texaco Producing Inc., on the basis that Texaco provided emissions offsets for the project and it was part of Texaco's heavy oil western stationary source. [District NSR Rule], [Federally Enforceable Through Title V]
63. Any reduction of Texaco's general partnership interest in the cogeneration facility may result in it no longer being part of Texaco's stationary source and may jeopardize the validity of the PTO for the cogeneration facility. [District NSR Rule], [Federally Enforceable Through Title V]
64. In the above case, the original offsets provided by Texaco for the approval of the facility will be inadequate and full mitigation and technology requirements will be required. [District NSR Rule], [Federally Enforceable Through Title V]
65. All casing vents of Texaco wells producing from strata steamed by this cogeneration unit shall be connected to a District-approved emissions control system, have District-approved closed casing vents or be District- approved uncontrolled cyclic wells. [District NSR Rule], [Federally Enforceable Through Title V]
66. Each one hour period in a three-hour average shall commence upon the hour. The three hour average will be compiled from the three most recent one hour periods. [District NSR Rule], [Federally Enforceable Through Title V]
67. This facility is part of facility S-1129, the heavy oil western stationary source of Texaco Exploration and Production, Inc. [District NSR Rule], [Federally Enforceable Through Title V]
68. Permittee shall report exceedances of daily emissions limits to the District. [District NSR Rule], [Federally Enforceable Through Title V]
69. Source testing shall be performed for VOCs according to EPA Method 25 or 18, for CO according to EPA Method 10 or 10B, and for SO_x according to EPA Method 6 or 8. [District Rule 2520, 9.4.2, District Rule 4703, 6.4], [Federally Enforceable Through Title V]
70. Permittee shall record the following control system operating parameters: Ammonia Slip, and Water/Fuel Ratio. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]

Initial TV Permit